

**CITY OF WICHITA  
CITY CODE  
Title 19  
ELECTRICITY\***

**Chapters:**

- 19.04 GENERAL PROVISIONS, ADMINISTRATION AND ENFORCEMENT**
- 19.08 CERTIFICATES, PERMITS AND LICENSES**
- 19.12 WIRING INSTALLATION REGULATIONS**
- 19.16 MOBILE HOMES**
- 19.20 PREFABRICATED ASSEMBLIES**
- 19.22 ELEVATORS AND ESCALATORS**
- 19.24 ELEVATORS IN COMMERCIAL BUILDINGS FOR PERSONS WITH DISABILITY**
- 19.28 FREIGHT TYPE ELEVATORS IN COMMERCIAL BUILDINGS**

\* For requirement as to appropriating electricity, see § 5.86.020 of this code. As to electric wires passing through or near trees, see §§ 9.08.050, 9.08.060.

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## **Chapter 19.04**

### **GENERAL PROVISIONS, ADMINISTRATION AND ENFORCEMENT**

#### **Sections:**

- 19.04.010 Scope—Purpose.**
- 19.04.020 Definitions.**
- 19.04.030 Provisions not retroactive.**
- 19.04.035 Maintenance of electrical systems.**
- 19.04.040 Board of electrical appeals—Composition.**
- 19.04.050 Board of electrical appeals—Compensation.**
- 19.04.070 Board of electrical appeals—Promulgation of additional rules.**
- 19.04.080 Board of electrical appeals—Matters pertaining to electrical elevators.**
- 19.04.090 Electrical inspectors—Appointments—Duties.**
- 19.04.100 Electrical inspectors—Inspection of wiring.**
- 19.04.105 Electrical inspectors—Authority to issue written notices.**
- 19.04.110 Electrical inspectors—Authority to disconnect electrical wiring.**
- 19.04.120 Electrical inspectors—Right of entry.**
- 19.04.130 Liability of persons owning or installing electrical wiring.**
- 19.04.140 Penalties for violation.**
- 19.04.150 Saving clause.**
- 19.04.160 Severability.**

#### **Section 19.04.010 Scope—Purpose.**

In order to provide practical safeguards of persons and of buildings from hazards arising from, affecting or relating to the construction, installation, alteration, repair, renewal, use, location and maintenance of all electric wiring, appliances or devices for light, heat or power, and for other purposes in the city, basic standards of installation, authority to regulate and control are established, except that this title does not cover installations in mines, ships, railway cars, automotive equipment, or the installations or equipment employed by a railway, electric or communication utility in the exercise of its function as a utility, and located outdoors or in buildings used exclusively for that purpose. (Ord. No. 26-912 § 1)

#### **Section 19.04.020 Definitions.**

In addition to the definitions given in this section, words and terms used in this title shall be as defined in the National Electrical Code as referred to and adopted in Section 19.12.010 of this code.

“Approved” as used in reference to materials or methods of construction, means that which conforms to standards as set forth in Section 19.12.010 of this code and that which meets the approval of the construction inspection supervisor of electrical and elevator section or the board of electrical appeals as the result of tests and investigations made by recognized technical or scientific organizations.

“Building code,” as used in this title, means the official building code of the city.

“Code Official” as used in this title, means the superintendent of Central Inspection or the construction inspection supervisor of electrical and elevator section or their duly authorized employees.

“Electrical Contractor” is a person, firm or corporation licensed to bid, plan, layout, install and supervise the installation of electrical wiring, or the installation of electrical equipment, devices or apparatus for light, heat or power purposes in or on any building or premises within the city of Wichita.

“Person” means a natural person, his heirs, executives, administrators or assigns, and including a firm, partnership or corporation, its or their successors or assigns. Singular includes plural, male includes female. (Ord. No. 41-449 § 1, amended by Ord. No. 46-824)

#### **Section 19.04.030 Provisions not retroactive.**

Except for safety, nothing in this title shall require any change in the installation of any wiring or the construction or erection of any appliance or device, which complied with the law prior to the enactment of this title. Any wiring, appliance or device illegally erected or installed prior to the enactment of this title shall be removed or brought into compliance with this title within thirty days of the effective date hereof. (Ord. No. 26-912 § 3)

**Section 19.04.035 Maintenance of electrical systems.**

All electrical systems, both existing and new, shall be maintained in a safe condition. All service equipment, devices and safeguards which are required by this title or which were required in or on a building or structure by previous statute, shall be maintained in working order. Any wiring, equipment, apparatus or devices that are replaced or rewired shall meet the latest adopted edition of the National Electrical Code. (Ord. No. 46-824)

**Section 19.04.040 Board of electrical appeals—Composition.**

There is authorized a board of electrical appeals which shall consist of the construction inspection supervisor—electrical and elevator section, who shall be secretary of the board, and the following:

- (1) Two members who shall hold master electrician's certificates as provided in this title;
- (2) Two members who shall hold journeyman electrician's certificates as set forth in this title;
- (3) A professional electrical engineer duly registered and certified as such by the state;
- (4) One public-at-large member;
- (5) One member who has an electrical elevators certificate as set forth in this title;

The present board shall serve until the expiration of their terms hereby modified or extended, at which time new members will be appointed for a term of office as set forth in Section 2.12.010.

Vacancies on the board shall be filled by appointment by the mayor with the approval of the city council. The board shall elect its own chairman and make such rules as are necessary for the conduct of its business. (Ord. No. 41-449 § 2, amended by Ord. No. 46-824)

**Section 19.04.050 Board of electrical appeals—Compensation.**

No member of the board shall receive any compensation whatsoever for his services, but the board may allow actual expenses in attending meetings and in carrying out duties of his office to any such member. (Ord. No. 41-242 § 3)

**Section 19.04.070 Board of electrical appeals—Promulgation of additional rules.**

The board of electrical appeals shall have the following authority and duties.

(1) The board of electrical appeals shall act as an arbitration board in deciding any question that may arise between the electrical inspector and any electrician, or between the electrical inspector and any other person aggrieved by a decision of the electrical inspector.

(2) Where conditions exist on any electrical job which are not specifically provided for by this title, or where it would be impracticable to follow its provisions, the board may grant a variance from the strict application of the provisions of this title. The person or persons desiring such variance shall submit all data and information necessary or as may be required by the board to enable it to make its decision, and if after thorough study of the desired variance it determines that the granting of such request would not act in contravention to the welfare of the public, it shall have the authority to grant the variance.

(3) The board of electrical appeals shall consider applications for the use of materials or methods of installation not specifically covered in this title, or for a change in the grading or quality of materials or for a change in methods of installation as set forth in this title and accept or reject the same as affording the same degree of safety, and performance as the materials or methods provided for herein. The board shall use established standards of nationally recognized laboratories and research organizations in making its determination to accept or reject the application. The applicant shall submit to the board all necessary information as may be required by the board in order for it to make its determination, and any expense incurred for the payment of laboratory reports shall be borne by the applicant. If, after a thorough study of the application and upon the basis of such study, it is determined that the public interest would be best served, would not be detrimental to the welfare of the public and would afford the same degree of safety as elsewhere provided for in this title, the board shall approve the application; or should it be determined that it is against public interest, would not afford the same degree of safety as elsewhere provided for in this title, the board shall deny the application. The code official shall notify the applicant and other interested parties of the action in regard to the application. (Ord. No. 41-449 § 3, amended by Ord. No. 46-824)

**Section 19.04.080 Board of electrical appeals—Matters pertaining to elevators.**

Whenever the board of electrical appeals has under consideration matters pertaining to elevators, the elevator inspector having charge of elevator installation for the city shall sit with the board and act in an advisory capacity. (Ord. No. 41-242 § 5, amended by Ord. No. 46-824)

**Section 19.04.090 Electrical inspectors—Appointments—Duties.**

One or more qualified electrical inspectors shall be appointed by the city manager, one of whom shall be designated as the construction inspection supervisor—electrical and elevator section. It shall be the duty of the construction inspection supervisor—electrical and elevator section to make such decisions as are necessary to correlate the daily inspection work of all electrical inspectors and see that such work is uniformly discharged throughout the city. Under the direction and supervision of the superintendent of central inspection, said inspector or inspectors shall enforce the provisions of this title, keep records, make reports and perform any other duties as are from time to time imposed by the city manager or the superintendent. All electrical inspectors shall have had a minimum of three years of practical electrical experience as a journeyman and/or master electrician. Persons in the employ of the city who are duly certified as combination inspectors or electrical inspectors by the International Conference of Building Officials or by the International Code Council shall also be qualified as electrical inspectors for the inspection of installations in one and two-family residential structures.

Any officer or employee of the city, charged with the enforcement of this title, shall not, in the discharge of his duties, thereby render himself liable personally. Any suit brought against any officer or employee of the city because of such act performed by him in the enforcement of any provision of this title shall be defended by the legal department of the city until the final determination of the proceedings herein. (Ord. No. 41-449 § 4, amended by Ord. No. 46-824)

**Section 19.04.100 Electrical inspectors—Inspection of wiring.**

The electrical inspector shall examine and approve all new, renewed, repaired, extended or altered installations of wiring before work is concealed and again inspect each job upon completion of the work. He shall not release for electrical energy any wiring or electrical equipment which does not meet the provisions of this title. (Ord. No. 26-912 § 5)

**Section 19.04.105 Electrical inspectors—Authority to issue written notices.**

The electrical inspector shall issue a written notice for any failure to correct a violation of this code. Should any person, firm or corporation served by such notice fail or refuse to comply with the orders contained in the notice within the time specified therein, the electrical inspector shall have the authority to disconnect or cause to be disconnected any electrical wiring or equipment and/or such person, firm or corporation shall be subject to the penalties provided for in Section 19.04.140. (Ord. No. 33-275(part))

**Section 19.04.110 Electrical inspectors—Authority to disconnect electrical wiring.**

The electrical inspector shall have the authority to disconnect or cause to be disconnected from electric energy, any electrical wiring or equipment in case of emergency or when necessary for the protection of life or property, and he shall order the discontinuance of electrical energy to any electrical wiring, device or equipment found to be dangerous to life or property and to hold such wiring, device or equipment out of service until the same is made safe and conforms to the standards set forth in this title. (Ord. No. 26-912 § 6)

**Section 19.04.120 Electrical inspectors—Right of entry.**

In order to carry out the provisions of this title, the electrical inspectors shall have the authority during reasonable hours to enter any building or upon any premises in the discharge of their duties for the purpose of making inspections and tests of an installation of electrical wiring, device, appliance or equipment contained therein. (Ord. No. 26-912 § 7)

**Section 19.04.130 Liability of persons owning or installing electrical wiring.**

This title shall not be construed to relieve from liability or to lessen the responsibility of any person owning, controlling or installing any electrical wiring, equipment or device. The city of Wichita shall not be held as assuming any liability of any nature by reason of the inspection authorized in this title or certificate issued, and no officer or employee charged with the enforcement of this title shall be held personally liable for any damage that may accrue to persons or property as a result of any act required or committed in the discharge of his duties. (Ord. No. 26-912 § 8)

**Section 19.04.140 Penalties for violation.**

Any person violating any of the provisions of this title shall be deemed guilty of a misdemeanor and upon conviction thereof shall be fined not more than five hundred dollars, or be imprisoned in the city jail not more than six months, or by both such fine and imprisonment. Each and every day during which any violation of any provision of this title is committed, continued or permitted shall be deemed a separate violation. (Ord. No. 40-095 § 1)

**Section 19.04.150 Saving clause.**

All rights and remedies of the city of Wichita and the property owners and residents thereof are expressly saved as to any and all violations of Ordinance Number 14-299 or of any prior electrical ordinance that have accrued at the time of the effective date of this title; and as to such accrued violations, the court shall have all the powers that existed prior to the effective date of this title. (Ord. No. 26-912 § 47)

**Section 19.04.160 Severability.**

Should any section, clause or provisions of this title be declared by a court of competent jurisdiction to be invalid, the same shall not affect the validity of the title as a whole, or any part thereof other than the part so declared to be invalid. (Ord. No. 26-912 § 48)

## Chapter 19.08

### CERTIFICATES, PERMITS AND LICENSES

#### Sections:

- 19.08.005 Electrical license—Required.**
- 19.08.010 Master and journeyman electricians' certificates—Required.**
- 19.08.015 Apprentice electrician and/or electrical helper.**
- 19.08.020 Electricians' certificates—Application—Examination.**
- 19.08.025 Electricians' certificates—Reciprocity.**
- 19.08.030 Electricians' certificates—Examination fee—Biennial fee.**
- 19.08.050 Electricians' certificates—Contractor's license—Revocation.**
- 19.08.060 Electrical license—Required.**
- 19.08.061 Electrical work performed by owner-occupants of owner-occupied or to be owner occupied detached single-family dwellings.**
- 19.08.070 License—Issuance of general electrical.**
- 19.08.080 Electrical license—Elevator restrictions.**
- 19.08.120 License—Misuse.**
- 19.08.140 Firm or corporation wiring.**
- 19.08.145 Re-inspection – Discontinued service.**
- 19.08.150 Electrical permit required—Fees listed.**
- 19.08.160 Permits not authority to violate title.**
- 19.08.170 Permits—Expiration—New permit required.**
- 19.08.171 Insurance required.**
- 19.08.172 Truth in advertising requirements.**
- 19.08.180 Identification of Service Vehicles.**

#### **Section 19.08.005 Electrical license—Required.**

It is unlawful for any person, firm or corporation to engage in the business of electrical contractor within the city without having secured an electrical license from the superintendent of central inspection.

#### **Section 19.08.010 Master and journeyman electricians' certificates—Required.**

It is unlawful for any person to engage in the business of electrical contracting without first having secured a master electrician's certificate as provided for in this title. The master electrician shall be responsible for all electrical work encompassed in the inspection requested by and/or on the permit issued to his company.

It is further unlawful for any person to engage in the trade or otherwise perform the act of installing electrical wiring or raceways for equipment, apparatus or devices for light, heat or power, or other purposes within or on any building or premises within the city without first having secured a master electrician's certificate or a journeyman electrician's certificate as herein provided for and both be in the employ of a licensed electrical contractor. A holder of a residential wireman electrician's certificate may perform the act of installing any and all electrical wiring within or on one- and two-family dwellings only and must be in the employ of a licensed electrical contractor.

*The following exception shall be allowed:*

Except as provided for in Sections 19.08.061 and 19.08.140 hereof. (Ord. No. 44-113 § 1, amended by Ord. No. 46-824)

#### **Section 19.08.015 Apprentice electrician and/or electrical helper.**

(a) Apprentice electrician or helper shall be permitted to perform the act of or install any electrical work within the city when he or she is on the job site with and under the supervision of a master, journeyman or residential wireman electrician certified by the city and both be in the employ of a licensed electrical contractor. If an apprentice electrician or helper works without the required supervision, both the electrical contractor license holder and the apprentice electrician/helper shall be guilty of this offense.

(1) "Job site" is defined as the property that an individual permit is issued for.

(b) A numeric ratio of apprentices or helpers to certified city master, journeyman or residential wireman electricians on any job site shall not be greater than four apprentices and/or helpers for each certified electrician. (Ord. 46-678, amended by Ord. No. 46-824)

**Section 19.08.020 Electricians' certificates—Application—Examination.**

Applications for examination for a master electrician's certificate or a journeyman electrician's certificate or a residential wireman electrician's certificate shall be made to the office of central inspection. The fee for an examination for a master electrician, journeyman electrician or residential wireman electrician shall be established by the superintendent of central inspection to cover the administrative costs.

Applicants for master electrician examination shall provide written documented proof of having a valid journeyman electrician certificate for a minimum of two years.

Applicants for journeyman electrician and residential wireman electrician examination shall provide written documented proof of at least two years field experience in the electrical construction industry. "Field experience" means working under the direct supervision of a person having a valid journeyman certificate or master certificate or attending an accredited electrical trade school. No more than one year of the requirement may be satisfied by trade related schooling. Schooling shall consist of a minimum of 240 hours classroom training. Documentation shall be the following:

- (1) written letter on company letterhead from employer(s) stating job description and dates of employment and signed by a person qualified in the electrical trade;
- (2) copy of a transcript or attendance record from an accredited electrical trade school. The electrical examination will be administered in accordance with K.S.A. 12-1525 and amendments thereto, with a minimum passing score of seventy-five percent. (Ord. No. 44-113 § 2)

**Section 19.08.025 Electricians' certificates—Reciprocity.**

Any person with written proof of successful completion of the required electrical master, journeyman or residential wireman electrician test pursuant to K.S.A. 12-1525 and amendments thereto, with a minimum score of seventy-five percent and with proof of having obtained, since January 1, 2006, not less than 12 hours biennially of continuing education approved by the Office of Central Inspection, shall be issued the appropriate license by the City of Wichita. The Office of Central Inspection shall establish a uniform fee to be charged all applicants for licenses.

**Section 19.08.030 Electricians' certificates—Renewal.**

(a) The fee for the original certificate for a master electrician, journeyman electrician or residential wireman electrician shall be established by the superintendent of central inspection to cover the administrative costs of issuing such certificates. This fee shall be paid to the office of central inspection when the application for a certificate is made. Individuals not holding a certificate at the beginning of the certificate cycle, who obtain a certificate during such certificate cycle by the standardized test required by K.S.A. 12-1525 and any amendments thereto, will be issued the initial certificate without documentation of continuing education. Such certificate will be issued noting the test provider, specific test type and grade. Such test must be completed during that certificate cycle. All such certificates shall expire on the thirty-first of December of each odd-number year. The biennial fee for all certificates shall be established by the superintendent of central inspection to cover the administrative costs of issuing such certificates.

(b) Individuals passing the examination in the first year of a renewal cycle will need to provide documentation of 12 hours of approved continuing education when renewing their certificate. Not less than 6 hours shall consist of electrical code education. The continuing education shall be attended during the certificate cycle. Individuals passing the examination in the second year of a renewal cycle will need to provide documentation of 6 hours of approved continuing education when renewing their certificate. Not less than 3 hours shall consist of electrical code education. The continuing education shall be attended during the second year of the certificate cycle. Individuals with an active certificate that passed the examination prior to the first year of the renewal cycle must provide written proof of having completed biennially not less than 12 hours of continuing education approved by the Office of Central Inspection. Not less than 6 hours shall consist of electrical code education. Continuing education shall be provided by the Office of Central Inspection or a nationally recognized trade association, community college, technical school, technical college or other provider approved by the Office of Central Inspection. All 12 hours of education shall consist of training relative to electrical construction, maintenance and code up-date training on the electrical code.

(c) Any holder of a certificate who fails to renew the same by March 1<sup>st</sup> from the date of expiration shall be required to submit one of the following:

- (1) Proof of passing a new examination as required per Section 19.08.020 or;
- (2) Proof of completing an additional 1 ½ hours of continuing education for each 3 month period the renewal is late and only when the original certificate was issued pursuant to K.S.A. 12-1525. (Ord. No. 44-113 § 3, amended by Ord. No. 46-824)

**Section 19.08.050 Electricians' certificates—Contractor's license—Revocation.**

(a) The board of electrical appeals is authorized to cancel and recall the certificate of any master electrician, journeyman electrician or residential wireman electrician for any or all of the following reasons:

- (1) Committing of any act in violation of any provisions of this code or any other ordinance of the city, or the refusal or failure to comply with any lawful and reasonable order of the code official or inspector;
- (2) Misrepresentation of a material fact by the applicant in obtaining a certificate;
- (3) Carelessness or negligence in providing reasonable safety measures for the protection of the public.

(b) The board of electrical appeals is authorized to cancel and recall the license of any electrical contractor for any or all of the following reasons:

- (1) Abandonment of any contract without legal cause;
- (2) Diversion of funds or property received for performance or completion of a specific contract for a specified purpose, in the performance or completion of any contract, and application or use for any other contract, obligation or purpose, or the failure, negligence or refusal to use such funds or property for the performance or completion of said contract;
- (3) Committing of any act in violation of any provisions of this code or any other ordinance of the city, or the refusal or failure to comply with any lawful and reasonable order of the code official or inspector;
- (4) Misrepresentation of a material fact by the applicant in obtaining a license;
- (5) Failure of any contractor to fully certify all claims for labor and material used in the performance of any work for which he has been engaged or for which he has been paid;
- (6) Use of any license to obtain a permit for another as set forth in Section 19.08.120 of this code;
- (7) Carelessness or negligence in providing reasonable safety measures for the protection of workmen and the public;
- (8) Failure to obtain permits as required in Section 19.08.150 of this title;
- (9) Unreasonable delay in the performance and carrying out of any contract;
- (10) Failure by the licensee, if a firm, co partnership or corporation, to have at least one active member or officer who has qualified as and has a master's certificate as provided in Section 19.08.070 of this code.
- (11) Failure to have the required supervision for apprentice electrician or helper as set forth in Section 19.08.015 of this code;
- (12) That the license holder is in arrears on payment of electrical permit and/or re-inspection fees.

(c) Upon presentation by the code official to the board of electrical appeals of charges against any holder of any certificate, as set forth in this section, the board of electrical appeals shall fix a time and place for a meeting to consider such charges and shall notify the holder of such certificate to be present at such meeting. Such notification shall be in writing and shall be presented to the holder at least five days in advance of the meeting. If upon full hearing of all evidence by the board of electrical appeals it shall be decided that such holder of a certificate has been guilty of any of the actions as hereinbefore set forth in this section, then the board shall have the power to place on probation for a specified time period, temporarily suspend or permanently revoke the license or certificate of the holder thereof.

(d) When a certificate of a person has been revoked, a new certificate shall not be granted until he shall have corrected the violation in accordance with this code or any ordinance of the city and shall have made application and have passed an examination as required for the original certificate. (Ord. No. 44-113 § 4, amended by Ord. No. 46-824)

**Section 19.08.061 Electrical work performed by owner-occupants of owner-occupied or to be owner-occupied detached single-family dwellings.**

**Repairs, Replacements, and Maintenance.** A person who has received approval of a schematic electrical drawing from the electrical inspector or showing the proper electrical symbols and all the circuitry for the complete project, shall be issued a permit to alter, repair, replace, or maintain any electrical work on the load side of the service panelboard in a single-family dwelling used exclusively for living purposes, including the usual accessory buildings in connection with such buildings in the event that such person is the bona fide owner of such dwelling and accessory buildings, and that the same are occupied by the owner, provided, that said owner shall personally perform all labor in connection therewith. Said person shall call for inspections and otherwise observe all the applicable provisions of this title.

**New Installations in Existing Single-family Residences.** The owner-occupant of a detached single-family dwelling may obtain a permit for any electrical installations on the load side of the service panelboard in the main structure and the usual accessory buildings thereto upon fulfillment of exam and plan review requirements as outlined elsewhere in this section. The owner obtaining said permit shall personally purchase all materials and shall personally perform all labor in connection with the permitted project. The owner shall call for all inspections and otherwise observe all the applicable provisions of this title.

**Electrical Installations by Owner-occupants Constructing New Single-family Residences.** Persons constructing a new detached single-family residence for their own personal use may be permitted to install all electrical work, on the load



side of the service panelboard, in the main structure and the usual accessory structures thereto upon fulfillment of exam and plan review requirements as outlined elsewhere in this section. The owner-occupant shall call for inspections and otherwise observe all of the applicable provisions of this title; provided, however, that the service entrance raceway, service entrance conductors, meter base, and service panelboard shall be installed by a licensed electrical contractor. The contractor shall call for the service related inspections.

Examinations and Plan Reviews for Installations Required. Owner-occupants applying for permits for installations as outlined above shall first qualify themselves by successfully passing a simplified open book examination dealing with relevant provisions of the Electrical Code. The fee for said examination shall be established by the superintendent of central inspection to cover the administrative costs. Successful passage of the examination shall qualify the applicant for future permits until the time of the adoption of another edition of the National Electrical Code by the city.

Prior to permit approval, the applicant shall submit a plan of the installation drawn in a format acceptable in sufficient details to satisfy the code official of the overall code compliance of the anticipated drawing showing the proper electrical symbols and all the circuitry for the complete project. The fee for such plan review shall be established by the superintendent of central inspection to cover the administrative costs. Plan submissions requiring extensive review and/or modification may be billed at a rate established by the superintendent of central inspection to cover the administrative costs for each additional half hour or portion thereof beyond the original half hour upon prior notification of the applicant of such additional charges.

Permit fees shall be as set forth elsewhere in this title and in Title 18; provided, however, that each additional inspection owing to detected code deficiencies requiring correction shall be billed at a rate established by the superintendent of central inspection to cover the administrative costs. Permits for electrical installations shall be limited to one in three years to each applicant unless a waiver is obtained, upon written application, from the board of electrical appeals. (Ord. 46-678, amended by Ord. No. 46-824)

#### **Section 19.08.070 License—Issuance of general electrical.**

One electrical license may be issued to any person who is the owner or full time employee of one company only, possessing a valid master electrician's certificate issued by the office of central inspection, for the sum of one hundred dollars per year, which license shall expire on the thirty-first day of December of the year in which issued. Licensees who have not renewed their license by January 31<sup>st</sup> of the year in which they are due shall pay a penalty of ten percent for each month they are delinquent in obtaining such renewal. An electrical license may be issued to any firm or corporation of which at least one active member or officer who devotes full time to that firm or corporation and has qualified as and holds a master electrician's certificate; provided a separate license shall be issued for each place of business operated by such firm or corporation. (Ord. No. 43-702 § 1, amended by Ord. No. 46-824)

#### **Section 19.08.080 Electrical license—Elevator restrictions.**

An electrical license shall authorize the holder thereof to install feeder conductors to the line side of the elevator controller but shall not authorize the holder thereof to do electrical work on the load side of the controller of such elevator. (Ord. 35-560 (part))

#### **Section 19.08.120 License—Misuse.**

No license holder shall permit the use of his name by any other person, either directly or indirectly, for the purpose of obtaining a permit or for the purpose of doing any electrical work under his license. (Ord. No. 26-912 § 27)

#### **Section 19.08.140 Firm or corporation wiring.**

Any person not engaged in the business of electrical installation, within the scope of this code, who has in his regular and permanent employ a person or persons who possess current and valid master electrician certificates, shall be permitted to have such person or persons install electrical wiring or otherwise perform electrical work in or on buildings or premises that are owned, leased, operated or managed by him. This shall not be construed, however, to allow the installation of electrical wiring in new buildings or to additions to existing buildings. Permits shall be obtained for such work as required in Section 19.08.150 of this code, and the same shall be issued to the person causing the work to be done. (Ord. No. 26-912 § 29)

#### **Section 19.08.145 Re-inspection – Discontinued service.**

An electrical inspection shall be required on structures from which the service has been disconnected and structures which have not been in use for six months or more prior to the restoration of service. An application shall be made and the fee set forth in Section 19.08.150 of this title shall be paid to receive such inspection. If the system is found to be satisfactory, the code official or inspector shall notify the electrical utility that service be restored. (Ord. No. 46-824)

**Section 19.08.150 Electrical permit required—Fees listed.**

It is unlawful for any person to do or cause to be done any electrical wiring for light, heat or power within any building or on any premises in the city without first obtaining a permit from the office of central inspection. Applications for permits shall be made on forms furnished by the office, duly executed and signed by a person properly authorized to obtain permits for the applicant, which application may be presented in person or by mail, accompanied by the fee as listed below:

Ordinary branch circuits on new construction or remodeling:

- 120 volt circuits, each \$2.00
- 277 volt circuits, each \$2.25
- Heating appliances less than 4500 watts, each \$3.00
- Light fixtures or lamp holders, each \$0.75

Motors:

- 1 HP or smaller, each \$5.00
- Over 1 HP, each \$7.00
- Water well motor, each \$7.00

Special circuits and additions:

- Electric ranges and all heating devices over 4500 watts, each \$9.00
- Hot Tubs/Sauna, each \$15.00
- Clothes dryers, each \$9.00
- Special power outlets, or feeder circuits, each \$10.00
- Signs, each circuit \$7.00
- Outlets added to existing circuits \$0.75
- Transformers, each \$12.00

Services:

- 480 volts or less:
  - 100 amperes or less, per meter \$12.00
  - each additional ampere \$0.06
- Construction service, per meter \$15.00
- Re-inspection – Discontinued service, per meter \$12.00
- Over 480 volts:
  - Each service entrance \$75.00
  - Construction Service \$30.00

Miscellaneous \$15.00

Permit Issuance Fee \$18.00

Minimum charge for one permit \$25.00

Provided also that electrical work done in conjunction with a building project covered by a building permit for a one- or two-family dwelling new construction, repair, remodel or addition is covered and permitted under the authority granted by the building permit and does not require a separate electrical permit. A separate electrical permit is required if a water well motor is installed or will be installed.

Provided, however, permit fees for one- and two-family dwellings shall be established in accordance with the fee schedule as set forth in the applicable section of the currently adopted City of Wichita Building Code. The evaluation used to determine the amount of the permit fee to be used shall be seven percent of the total valuation of a one- or two-family dwelling as determined by the superintendent of central inspection. A separate fee established by the Superintendent of Central Inspection to cover the administrative costs may be assessed for each construction service to the building site. Payment shall be made by the general contractor at the time a building permit is issued.

A separate electrical permit is required if work requiring a permit and inspection as defined in the code is begun more than one hundred eighty days from the date of the issuance of the building permit.

A separate electrical permit shall be required for each building or tenant space with an electric meter, and anytime a separate electric meter is installed.

Exception: One- and two-family dwellings or multi-family dwellings when such dwelling units are not individually owned.

Any person who installs any electrical wiring for which a permit and inspection are required and who fails to report the same as ready for inspection when such work is completed shall pay a special permit fee of double the amount of the permit issuance as listed above.

Where extra inspections are made because of faulty construction or failure to make necessary repairs, a fee established by the Superintendent of Central Inspection to cover the administrative costs may be charged for each inspection. (Ord. No. 46-678, amended by Ord. No. 46-824)

**Section 19.08.160 Permits not authority to violate title.**

The issuance of granting a permit shall not be deemed or construed to be a permit for or an approval of any violation of any of the provisions of this title. No permit presuming to give authority to violate or cancel the provisions of this title shall be valid, except insofar as the work or use which it authorizes is lawful. (Ord. No. 26-912 § 31)

**Section 19.08.170 Permits—Expiration—New permit required.**

Every permit issued by the building official under the provisions of this code shall expire by limitation and become null and void if the work authorized by the permit is not commenced within one hundred eighty days from the date of such permit, or if the work authorized by such permit is suspended or abandoned at any time after the work is commenced, for a period of one hundred eighty days, or one hundred eighty days has expired since an inspection, as required in Section 19.12.020 of this code, was requested and such inspection was approved by the building authority. (Ord. No. 41-455 § 6, amended by Ord. No. 46-824)

**Section 19.08.171 Insurance required.**

Every electrical, elevator or handicapped accessibility lifts contractor licensed under this title shall procure and maintain a policy of general liability insurance covering the activities of the contractor while engaged in contracting hereunder. Such insurance policy shall be written with an insurance company licensed to do business in the state and shall have minimum limits of coverage of three hundred thousand dollars per occurrence. In addition, every such electrical, elevator or handicapped accessibility lifts contractor shall procure and maintain worker's compensation insurance as required by law and automobile liability insurance as required by law. Every contractor licensed under this title shall, prior to the issuance of a license, file with the office of central inspection certificates of insurance evidencing the insurance coverage specified herein. All such certificates shall indicate that the city shall be given at least thirty days advance written notice of any cancellation or material change in coverage of such insurance. Failure of an electrical, elevator or handicapped accessibility lifts contractor to either procure or maintain such insurance shall be grounds for suspension or revocation of their contractor's license and certificate. (Ord. No. 41-943 § 1, amended by Ord. No. 46-824)

**Section 19.08.172 Truth in advertising requirements.**

On or after July 1, 1993, any person, firm or corporation required by this title to obtain an electrical, mobile home serviceman electrical, elevator or handicapped accessibility lifts contractor's license shall be subject to the following:

(a) It is unlawful for any such person, firm or corporation to advertise as an electrical, mobile home serviceman electrical, elevator or handicapped accessibility lifts contractor unless, at the time such advertisement occurs, such person, firm or corporation has a then valid electrical, mobile home serviceman electrical, elevator or handicapped accessibility lifts contractor's license issued under the provisions of this chapter;

(b) Any advertisement by such person, firm or corporation as an electrical, mobile home serviceman electrical, elevator or handicapped accessibility lifts contractor which is placed or published in any publication or other print medium circulated, displayed or distributed within the city limits or which is broadcast by radio or television, or any internet posting/publication, electronic billboard, or any electronic or telephonic transmission of information, or any other means to persons within the city limits shall include the full name of the licensed person, firm or corporation and the license number assigned by the office of central inspection to such person, firm or corporation;

(c) As used herein, the words "advertise" or "advertisement" shall mean and include, but not be limited to, a business card, contract bid proposal form, printed letterhead, any other printed or written material, or any internet posting/publication, electronic billboard, or any electronic or telephonic transmission of information, designed to inform persons of the services offered by the advertising person, firm or corporation and to solicit business from such persons, or any broadcast statement designed to inform persons of the service offered by the advertising person, firm or corporation and to solicit business from such persons. Such words are intended to include telephone directory display ads but not basic white and yellow page listings. (Ord. No. 41-943 § 2, amended by Ord. No. 46-824)

**Section 19.08.180 Identification of Service Vehicles.**

(a) Vehicles used in performance of installations or service regulated under this title shall display contractors' company name and permanent license number. Such numbers shall be assigned by the code official to a contractor duly licensed under the provisions of this title.

(b) Permanent license number and company name must be affixed to both sides of vehicle(s), in a conspicuous place, either by paint of a contrasting color or by the use of permanent or magnetic decals.

(c) Permanent license number and company name must be a minimum of two inches high with a one-half-inch-wide stroke per character.

(d) A contractor's employee(s) using their personal vehicles as transportation to or from the job site are exempted from the provisions of this section.

(e) The contractor shall be responsible for removing the permanent license number and company name at the time any vehicle is taken out of service.

(f) Violation of any provision of this section shall result in a hearing before the board of electrical appeals subjecting the contractor to possible suspension, recall or cancellation of the master certificate and/or license, in accordance with the provisions of Section 19.08.050 of the Code of the City of Wichita, Kansas. (Ord. No. 46-824)

## Chapter 19.12

### WIRING INSTALLATION REGULATIONS

#### Sections:

- 19.12.010 Installation standards.**
- 19.12.020 Wiring to be inspected prior to concealing.**
- 19.12.025 Inspection required.**
- 19.12.030 Reinspection of wiring, etc.**
- 19.12.040 Section 230.40 amended.**
- 19.12.050 Services**
- 19.12.060 Section 210.52(c)(1) exception amended.**
- 19.12.070 Branch circuit panelboard requirements.**
- 19.12.080 Conductor requirements.**
- 19.12.085 Concrete-Encased electrode.**
- 19.12.090 Color code**
- 19.12.100 Smoke detector requirements.**
- 19.12.110 Splicing of service-entrance conductors.**
- 19.12.120 Switches—Height of.**
- 19.12.125 Type NM, NMC and NMS cable ampacity.**
- 19.12.130 NM Cable connectors.**
- 19.12.135 Type NM, NMC and NMS cable ran exposed in unfinished basements.**
- 19.12.140 Arc-making devices—Clearance from gas meters.**
- 19.12.150 Ceiling grid support wires.**
- 19.12.160 Sewage ejector pumps.**
- 19.12.165 Sewage ejector pumps and sump pumps.**
- 19.12.166 Residential garage door opener.**
- 19.12.170 Conduit bodies.**
- 19.12.175 Arc-Fault Circuit-Interrupter Protection.**
- 19.12.180 Nonmetallic-Sheathed Cable: Type NM, NMC, and NMS.**
- 19.12.185 Receptacles in countertops not to be installed face-up.**
- 19.12.190 Receptacles in wet locations.**
- 19.12.195 Pools shall not be located under overhead wiring.**
- 19.12.200 Permitted use of multiplex cable.**
- 19.12.210 Temporary construction service requirements.**
- 19.12.220 Conduits exposed to sunlight on rooftops.**

#### **Section 19.12.010 Installation standards.**

All electrical installations made within the city shall be in strict conformity with the provisions of this title. If sections contained within this title, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the National Electrical Code, 2008 Edition, as published by the National Fire Protection Association as N.F.P.A. No. 70-2008, as presently constituted and as may be hereinafter amended, shall apply with the exception of Section 110.16; Section 200.6(d); Section 210.4(b); Section 210.5(c); Section 210.12; Section 210.52(c)(1); Section 230.40; Section 250.68(a) Exception No. 2; Section 590.6(b)(2); Section 300.11(a)(2); Section 314.28; Section 334.10; Section 334.12(a)(1) Exception; Section 334.40(b); Section 334.80; Section 406.4(e); Section 406.8(b)(1)&(2); Section 600.3; and Section 680.8; of such publication. Said N.F.P.A. No. 70-2008, was adopted by the National Fire Protection Association on June 7, 2007, and received the approval of the American National Standards Institute on August 15, 2007. By this publication, all provisions of such publication, with noted exceptions, are adopted by reference and made a part of the Code of the City of Wichita, Kansas, and this title as though fully set forth herein. (Ord. No. 46-678, amended by Ord. No. 46-824)

#### **Section 19.12.020 Wiring to be inspected prior to concealing.**

Before any electric wiring or raceway is concealed from view during the course of construction, the person doing the work shall notify the electrical inspector that such work is ready for inspection. The electrical inspector shall inspect such work within forty-eight hours, provided such limit of time comes upon a regular working day of the inspector. If any defects exist, the electrical contractor shall be notified and he shall rectify the same and request an inspection before the work is concealed. The code official shall have the authority to require any concealment to be removed. Failure to comply with this order of the code official shall result in condemnation of the structure or any part thereof and prohibition of occupancy.

The electrical inspector shall be notified by the electrical contractor when the electrical work is completed and ready for inspection; and if such work conforms with this title, the installation shall be released to the utility company for service connection.

When the electrical inspector observes or it is called to his attention that any electrical work is installed contrary to or in violation of any provisions of this code, it shall be his duty to immediately notify the person responsible for the installation that the violation or violations exist. All defective or substandard installations shall be corrected within forty-eight hours from time of notification by the electrical inspector.

It is unlawful for any person or utility company to connect any electrical wiring, device, appliance or equipment, for which a permit or approval is required, to any source of electrical energy without first having approval by the electrical inspector for the connection.

When requested and upon completion of the work, a certificate of inspection shall be issued showing that such work meets the requirements of this title. (Ord. No. 28-887 § 5; Ord. No. 26-912 § 9, amended by Ord. No. 46-824)

#### **Section 19.12.025 Inspection required.**

Any person, firm or corporation who installs any electrical wiring shall request the inspection when the electrical work is completed and ready for inspection. It shall be the duty of the person requesting any inspection required by this Title, to provide access to and means for inspection of such work.

#### **Section 19.12.030 Reinspection of wiring, etc.**

The electrical inspector shall make a thorough reinspection of all electrical wiring devices, appliances and equipment whenever deemed advisable within or on any building or premises within the city. When the installation of any electric wiring, device, appliance or equipment is found to be in dangerous and unsafe condition and in noncompliance with this title, the person owning, using or operating the same shall be notified in writing and shall make the necessary repairs and changes required to place such wiring, device, appliance or equipment in compliance with this title within the time specified in the notice. Upon failure to comply with the written notice and payment of reinspection fee, the electrical inspector is hereby authorized to notify the utility company supplying electric energy to such building or premises to discontinue electric service and to continue to do so until instructed by the electrical inspector that service may be restored. (Ord. No. 26-912 § 10)

#### **Section 19.12.040 Section 230.40 amended.**

Section 230.40 of the 2005 National Electrical Code shall be amended to read as follows:

Number of Service-Entrance Conductor Sets. Each building shall be supplied by only one service drop or lateral. Each service drop or lateral shall supply only one set (or sets where connected in parallel) of service-entrance conductors. All service-entrance conductors shall terminate at the same location.

Exception #1: Where two to six service disconnecting means in separate enclosures are grouped at one location, one set of service-entrance conductors shall be permitted to supply each such service equipment enclosure.

Exception #2: A two family dwelling unit without an approved area separation wall as defined by the currently adopted City of Wichita Building Code, and served from one service drop or lateral, shall be permitted to have one set of service entrance conductors run to each dwelling unit without the mains from both units being located together. (Ord. No. 46-678, amended by Ord. No. 46-824)

#### **Section 19.12.050 Services**

A. Service Length. Unfused service entrance conductors shall not be extended more than fifteen feet inside any building.

B. Service Disconnects. Main disconnects shall be installed on the load side of the utility company's meters where not more than six meters and service equipment are grouped together. Where there is an existing main disconnect ahead of six meters or less and all the services are completely revamped, the main disconnects shall be relocated on the load side of the meters. (Ord. No. 46-678, amended by Ord. No. 46-824)

#### **Section 19.12.060 Section 210.52(c)(1) exception amended.**

Section 210.52(c)(1) exception of the National Electrical Code shall be amended to read as follows:  
Exception: Receptacle outlets shall not be required on a wall directly behind a range or sink. (Ord. No. 46-824)

**Section 19.12.070 Branch circuit panelboard requirements.**

All panels installed shall be sufficiently large enough to provide four blank spaces or four over current protective devices for future use. (Ord. No. 40-114 § 10)

**Section 19.12.080 Conductor requirements.**

**A. Commercial and Industrial.**

- (1) Type. All commercial and industrial wiring conductors rated two hundred amperes or less, including all service conductors required to be installed by the licensed electrical contractor, shall be copper. For parallel conductors, each individual conductor of a parallel set shall meet the requirements of this section. Parallel conductors are not to be considered a single conductor.

Exception. Feeder circuit and branch circuit conductors rated one hundred amperes or more, may be aluminum or copper-clad aluminum, provided panelboards or disconnect switches served by such circuits are marked by the manufacturer as being suitable for aluminum or copper-clad aluminum termination. (Effective 2/1/82).

- (2) Minimum Size. The minimum size conductors shall be No. 12 AWG copper, except smaller sizes will be acceptable for control wiring.

**B. Residential.** All residential and accessory building wiring conductors rated less than 100 amperes shall be copper. (Ord. No. 37-551 § 4, amended by Ord. No. 46-824)

**Section 19.12.085 Concrete-Encased electrode.**

The grounding electrode conductor to a concrete-encased electrode shall be not less than that required in Table 250.66 of the National Electrical Code.

**Section 19.12.090 Color code.**

Where installed in raceways, as cable or as open work, all conductors connected to the same system shall conform to the following color code:

Three-phase, four-wire 120/208 volt – phase A - black, phase B - red, phase C – blue, grounded conductor - white;

Three-phase, four-wire 277/480 volt—phase A - brown, phase B - orange, phase C – yellow, -grounded conductor - gray.

The grounded conductor of a three wire 240 volt delta system shall be identified by alternating white and red stripes encircling the conductor.

The grounded conductor of a three wire 480 volt delta system shall be identified by alternating gray and orange stripes encircling the conductor.

Ungrounded circuit conductors used as travelers between 3-way and 4-way switches may be of colors other than those specified.

All conductor sizes 6 AWG or smaller shall be identified by a continuous outer finish along its entire length. Sizes larger than 6 AWG shall be identified, at time of installation, by distinctive color markings at its terminations. This marking shall encircle the conductor or insulation.

All circuit conductors of the same color shall be connected to the same ungrounded conductor throughout the premises wiring system(s). (Ord. No. 46-678, amended by Ord. No. 46-824)

**Section 19.12.100 Smoke detector requirements.**

Reference shall be made to the appropriate sections of Title 15 and Title 18 of the Code of the City of Wichita. (Ord. 43-380 § 4)

**Section 19.12.110 Splicing of service-entrance conductors.**

Service-entrance conductors shall not be spliced.

Exception No. 1: Clamped or bolted connections in metering equipment enclosures shall be permitted.

Exception No. 2: Where service-entrance conductors are tapped to supply two to six disconnecting means grouped at a common location.

Exception No. 3: At a properly enclosed junction point where an underground wiring method is changed to another type of wiring method.

Exception No. 4: A connection shall be permitted where service conductors are extended from a service drop to an outside meter location and returned to connect to the service-entrance conductors of an existing installation.

Exception No. 5: Where service-entrance conductors consist of busway, connections shall be permitted as required to assemble the various sections and fittings. (Ord. No. 46-824)

**Section 19.12.120 Switches—Height of.**

All switches located outside of a building shall be placed not less than six feet above the finish grade unless they are of the dead front pullout type, or heavy duty type.

Exception. Commercial and industrial installations which are accessible only to authorized personnel. (Ord. No. 46-678)

**Section 19.12.125 Type NM, NMC and NMS cable ampacity.**

The ampacity of Types NM, NMC, and NMS cable shall be determined in accordance with 310.16. The ampacity shall be in accordance with the 60°C (140°F) conductor temperature rating.

**Section 19.12.130 NM Cable connectors.**

Two piece NM Cable connectors, commonly know as Tomic connectors, shall be permitted to have a maximum of 3 cables in each connector. (Ord. No. 46-824)

**Section 19.12.135 Type NM, NMC and NMS cable ran exposed in unfinished basements.**

Article 334.15(c) of the National Electrical Code shall be amended to read:

**(C) In Unfinished Basements.** Where cable is run at angles with joists in unfinished basements, it shall be permissible to secure cables not smaller than two 6 AWG or three 8 AWG conductors directly to the lower edges of the joists. Smaller cables shall be run either through bored holes in joists or on running boards. NM cable installed on the wall of an unfinished basement shall be permitted to be installed in a listed conduit or tubing or shall be protected in accordance with Article 300.4. Conduit or tubing shall be provided with a suitable insulating bushing or adapter at the point the cable enters the raceway. The NM cable sheath shall extend through the conduit or tubing and into the outlet or device box not less than 6 mm (1/4 in.). The cable shall be secured within 300 mm (12 in.) of the point where the cable enters the conduit or tubing. Metal conduit, tubing, and metal outlet boxes shall be connected to the equipment grounding conductor.

**Section 19.12.140 Arc-making devices—Clearance from gas meters.**

All switches, motors, receptacles, meters, or other arc-making devices shall have a minimum clearance of three feet in any direction from any gas meter when such equipment is installed inside of a building and in the same room as the gas meter. (Ord. No. 26-912 § 44)

**Section 19.12.150 Ceiling grid support wires.**

The following is added to the section 300.11(A)(2) of the National Electrical Code:

Exception No. 2: MC cable or flexible metal conduit may be attached to the ceiling grid support wires serving lighting fixtures located within the ceiling grid area where all the following conditions apply.

1. The MC cable or flexible metal conduit must not be larger than trade size ½ inch.
  2. Only a single MC cable or flexible metal conduit may be attached per ceiling grid support wire.
  3. Only clips or devices approved for the purpose may be used to attach the MC cable or flex to the support wires.
- (Ord. No. 46-824)

**Section 19.12.160 Sewage ejector pumps.**

All sewage ejector pumps shall be installed on individual motor branch circuits. (Ord. No. 35-560 (part))

**Section 19.12.165 Sewage ejector pumps and sump pumps.**

In a dwelling, ground fault circuit interrupter protection shall not be required on a sewage ejector pump or sump pump that is cord and plug connected to a single receptacle installed on a dedicated circuit.

**Section 19.12.166 Residential garage door opener.**

In a dwelling, ground fault circuit interrupter protection shall not be required on an overhead garage door opener that is cord and plug connected to a single receptacle installed in the ceiling directly above the overhead garage door opener motor.



**Section 19.12.170 Conduit bodies.**

Section 314.28 of the National Electrical Code shall be amended to read as follows: Boxes and conduit bodies trade size over 2 inch used as pull or junction boxes shall comply with 314.28(A) through (D). (Ord. 43-380 § 5, amended by Ord. No. 46-824)

**Section 19.12.175 Arc-Fault Circuit-Interrupter Protection.**

(A) Definition: Arc-Fault Circuit Interrupter. An arc-fault circuit interrupter is a device intended to provide protection from the effects of arc faults by recognizing characteristics unique to arcing and by functioning to de-energize the circuit when an arc fault is detected.

(B) Dwelling Unit Bedrooms. All 120-volt, single phase, 15- and 20-ampere branch circuits supplying outlets installed in dwelling unit bedrooms shall be protected by a listed arc-fault circuit interrupter, combination type installed to provide protection of the branch circuit.

Exception: The location of the arc-fault circuit interrupter shall be permitted to be at other than the origination of the branch circuit in compliance with (a) and (b):

- (a) The arc-fault circuit interrupter installed within 1.8 m (6 ft) of the branch circuit overcurrent device as measured along the branch circuit conductors.
- (b) The circuit conductors between the branch circuit overcurrent device and the arc-fault circuit interrupter shall be installed in a metal raceway or a cable with a metallic sheath.

**Section 19.12.180 Nonmetallic-Sheathed Cable: Type NM, NMC, and NMS.**

Uses permitted: Type NM, Type NMC and Type NMS cable shall be permitted to be used only in one- and two-family dwellings and their accessory structures and multifamily dwelling units. The structure shall not exceed three floors above grade. These structures shall be served only by single-phase services. (Ord. No. 46-678)

**Section 19.12.185 Receptacles in countertops not to be installed face-up.**

Section 406.4(E) of the National Electrical Code shall be amended to read as follows:

(E) Receptacles in Countertops and Similar Work Surfaces. Receptacles shall not be installed in a face-up position in countertops or similar work surfaces. (Ord. No. 46-824)

**Section 19.12.190 Receptacles in wet locations.**

Section 406.8(B)(1) & (2) of the National Electrical Code shall be amended to read as follows:

(B) Wet Locations. All 15- and 20-ampere, 125- and 250-volt nonlocking receptacles shall be listed weather-resistant type. All receptacles installed in a wet location shall comply with either of the following:

- (1) A receptacle installed in a wet location, where the product intended to be plugged into it is not attended while in use, shall have an enclosure that is weatherproof with the attachment plug cap inserted or removed.
- (2) A receptacle installed in a wet location where the product intended to be plugged into it will be attended while in use (e.g., portable tools) shall have an enclosure that is weatherproof when the attachment plug is removed. (Ord. 43-380 § 7, amended by Ord. No. 46-824)

**Section 19.12.195 Pools shall not be located under overhead wiring.**

Section 680.8 of the National Electrical Code shall be amended to read as follows:

The following parts of pools shall not be placed under existing electrical, communication, CATV, Network powered Broadband conductors or any other overhead wiring; nor shall such wiring be installed above the following:

- (1) Pools and the area extending 10 ft horizontally from the inside of the walls of the pool,
- (2) Diving structure, or
- (3) Observation stands, towers or platforms. (Ord. No. 46-824)

**Section 19.12.200 Permitted use of multiplex cable.**

Multiplex cable may be installed as an approved wiring method for outdoor aerial use only within the city of Wichita, with the following restrictions.

- (a) Permitted for outside aerial use only.
- (b) Minimum wire size shall be: #1 aluminum or #8 copper.
- (c) In all cases, the phase conductors and the neutral conductor must be insulated and identified.

- (d) The ampacity of the conductors must comply with the values for the respective size and conductor material as listed in the seventy-five degree column of the Ampacity Tables of the latest adopted edition of the National Electrical Code. (Ord. 43-380 § 8)

**Section 19.12.210 Temporary construction service requirements.**

Temporary services used during construction, remodeling or repair of buildings or structures shall have a minimum of one 125-volt 20-amp receptacle and one 125/250-volt 30-amp twist lock receptacle NEMA L14-30, and meet all other requirements of the latest adopted edition of the National Electrical Code. (Ord. No. 46-824)

**Section 19.12.220 Conduits exposed to sunlight on rooftops.**

Where conductors or cables are installed in conduits with a horizontal length exceeding 6 feet and exposed to direct sunlight on or above rooftops, the adjustments shown in Table 310.15(B)(2)(c) shall be added to the outdoor temperature to determine the applicable ambient temperature for application of the correction factors in Table 310.16 and Table 310.18 of the National Electrical Code.

## **Chapter 19.16**

### **MOBILE OR MANUFACTURED HOMES**

#### **Sections:**

**19.16.060 Manufactured home installer's license—Required.**

**19.16.090 Permits and fees.**

**19.16.110 Conductor requirements.**

#### **Section 19.16.060 Manufactured home installer's license—Required.**

It is unlawful for any person to engage in the business, trade or otherwise perform the act of installing electric wiring or of the installation of electrical equipment, devices or apparatus for light, heat, or power purposes in or on any mobile or manufactured home within the city without having secured a manufactured home installer's license from the State of Kansas pursuant to the Manufactured Housing Act, K.S.A. 58-4202, et seq. and amendments thereto.

Exception. Any person possessing a valid electrical contractor's license as provided for under the provisions of this title shall be permitted to perform any act set forth in this section. (Ord. No. 30-764 § 6)

#### **Section 19.16.090 Permits and fees.**

A permit shall be obtained to install any wiring in, on or to any mobile or manufactured home or accessory structure in the city and the permit fee computed as detailed in Section 19.08.150 of the Code of the City of Wichita, Kansas. (Ord. No. 46-824)

#### **Section 19.16.110 Conductor requirements.**

All mobile or manufactured home and accessory building wiring conductors rated two hundred amperes or less, including all service conductors that are not owned and maintained by the electrical utility company, shall be copper. (Ord. No. 46-824)

## **Chapter 19.20**

### **PREFABRICATED ASSEMBLIES**

#### **Sections:**

**19.20.010 Definitions.**

**19.20.020 Certificates of approval.**

**19.20.030 Field erection.**

**19.20.040 Master electrician's certificate or approved agency certification.**

**19.20.050 Permits and fees.**

#### **Section 19.20.010 Definitions.**

The following definitions shall apply in the interpretation of this chapter:

- (1) "Prefabricated assembly" means a structural unit, the integral parts of which have been built up or assembled prior to incorporation in the building or to being erected as a building unit.
- (2) "Approved agency" means an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the building official (superintendent of central inspection). (Ord. No. 30-777 § 1)

#### **Section 19.20.020 Certificates of approval.**

A certificate of approval by an approved agency shall be furnished with every prefabricated assembly, except where the assembly is readily accessible to inspection at the site. The certificate of approval shall certify that the assembly in question has been inspected and meets all the requirements of Title 19 of the code of the city. (Ord. No. 30-777 § 2)

#### **Section 19.20.030 Field erection.**

Placement of prefabricated assemblies at the building site shall be inspected by the electrical inspector to determine compliance herewith. (Ord. No. 30-777 § 3)

#### **Section 19.20.040 Master electrician's certificate or approved agency certification.**

The installation of electrical wiring for equipment, apparatus or devices for light, heat or power purposes within or on any prefabricated assembly to be erected within the city shall be performed under the supervision of a person who has secured a master electrician's certificate as set forth in Sections 19.08.020, 19.08.030 and 19.08.040, or shall have been factory installed and inspected by an agency approved by the building official as provided in Section 19.20.010, subsection (2) of the Code of the City of Wichita, Kansas. (Ord. No. 33-470 (part))

#### **Section 19.20.050 Permits and fees.**

A permit shall be obtained to install any prefabricated assembly in the city and the permit fee computed as detailed in Section 19.08.150 of the Code of the City of Wichita, Kansas. (Ord. No. 33-470 (part))

## **Chapter 19.22**

### **ELEVATOR AND ESCALATOR**

#### **Sections:**

- 19.22.010 Purpose**
- 19.22.020 Installation Standards**
- 19.22.030 Definitions**
- 19.22.040 Elevator inspectors—Appointments—Duties.**
- 19.22.050 Elevator inspectors—Authority to issue written notices.**
- 19.22.060 Elevator inspectors—Right of entry.**
- 19.22.070 Elevator inspectors—Authority to remove from service.**
- 19.22.080 Liability of persons owning or installing elevators or escalators.**
- 19.22.085 Penalties for violations.**
- 19.22.090 Elevator or handicapped accessibility lifts license—Required.**
- 19.22.095 Master and journeyman electrical elevator certificates—Required.**
- 19.22.100 Elevators' certificates—Application—Examination--Renewal.**
- 19.22.110 License—Issuance of elevator.**
- 19.22.120 Elevator license—Restrictions.**
- 19.22.130 Electrical elevator certificates—Elevator contractor's license—Revocation.**
- 19.22.140 License—Issuance of handicapped accessibility lifts contractor.**
- 19.22.150 Handicapped accessibility lifts license—Restrictions.**
- 19.22.160 Handicapped accessibility lifts contractor's license—Revocation.**
- 19.22.170 License – Misuse.**
- 19.22.180 Owners requesting elevator removed from service.**
- 19.22.190 Alterations and repairs.**
- 19.22.195 Elevator inspected prior to use.**
- 19.22.200 Permit required – Fees listed.**
- 19.22.210 Test tags.**
- 19.22.220 Replacement of controller.**
- 19.22.230 Sprinkler heads in elevator equipment rooms or hoistways.**
- 19.22.240 Smoke detectors in hoistways.**
- 19.22.250 Sump Pump Discharge.**
- 19.22.260 Inspection compliance certificates.**
- 19.22.270 Emergency communications.**
- 19.22.280 Emergency operation and signaling devices.**
- 19.22.290 Insurance, Truth in Advertising and Vehicle Identification.**

#### **Section 19.22.010 Purpose**

The purpose of this chapter is to safeguard life, limb, property, and public welfare by establishing minimum requirements regulating the design, construction, alteration, operation, and maintenance of elevators, dumbwaiters, escalators, and moving walks, and by establishing procedures by which these requirements may be enforced. The purpose of the code is not to create or otherwise establish or designate any particular class or group of persons who will or should be especially protected or benefited by the terms of the code. (Ord. No. 46-824)

#### **Section 19.22.020 Installation Standards**

(A) All elevators, dumbwaiters, escalators, moving walks, material lifts and related hoistways installations made within the city shall be in strict conformity with the provisions of this title and with the approved standards of construction, for safety to life and property. If sections contained within this title, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the ANSI/ASME A17.1-2004 Safety Code for Elevators and Escalators with all the addendums thereto, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of elevators, handicapped accessibility lifts, dumbwaiters, escalators and moving walks and their hoistways with

the exception of Section 8.11.5.2. All elevators, escalators, and related equipment, shall be subject to the applicable acceptance and periodic inspections and tests as specified in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. The periodic inspections and periodic tests of category 1 shall be made at intervals not longer than one year. The periodic tests of category 3 and 5 shall be made at intervals not longer than five years. By this publication, all provisions of such publication, are adopted by reference and made a part of the Code of the City of Wichita, Kansas, and this title as though fully set forth herein.

**(B)** All handicapped accessibility lifts, inclined stairway chairlifts, inclined and vertical platform lifts, and private residence inclined stairway chairlifts and private residence inclined and vertical platform lifts within the city shall be in strict conformity with the provisions of this title and with the approved standards of construction, for safety to life and property. If sections contained within this title, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the ANSI/ASME A18.1-2003 Safety Standard for Platform Lifts and Stairway Chairlifts with all addendums thereto, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of handicapped accessibility lifts. All handicapped accessibility lifts, inclined stairway chairlifts, inclined and vertical platform lifts, and private residence inclined stairway chairlifts and private residence inclined and vertical platform lifts and related equipment, shall be subject to the applicable acceptance tests as specified in the currently adopted edition of the ANSI/ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. All handicapped accessibility lifts, inclined stairway chairlifts, inclined and vertical platform lifts, except private residence, shall be subject to periodic inspections and one year and five year periodic tests as specified in the currently adopted edition of the ANSI/ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts. The periodic inspections shall be made at intervals not longer than one year. By this publication, all provisions of such publication, are adopted by reference and made a part of the Code of the City of Wichita, Kansas, and this title as though fully set forth herein. (Ord. No. 46-824)

#### **Section 19.22.030 Definitions**

“Elevator” as used in this title, is inclusive of elevators, escalators, dumbwaiters, moving walks and material lifts.

“Handicapped accessibility lift” means a hoisting and lowering mechanism equipped with a car, platform or chair that is installed in locations for use by the physically handicapped. For purposes of this title, this definition specifically refers to the following devices: Inclined stairway chairlifts, inclined and vertical platform lifts, and private residence inclined stairway chairlifts and private residence inclined and vertical platform lifts.

“Modernization,” as used in this title, means updating all aspects of the car, platform, hoistway, machine room and all related equipment. The requirements set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers shall apply. (Ord. No. 46-824)

#### **Section 19.22.040 Elevator inspectors—Appointments—Duties.**

One or more qualified elevator inspectors shall be appointed by the city manager, one of whom shall be designated as the construction inspection supervisor of electrical and elevator section. It shall be the duty of the construction inspection supervisor of electrical and elevator section to make such decisions as are necessary to correlate the daily inspection work of all electrical inspectors and see that such work is uniformly discharged throughout the city. Under the direction and supervision of the superintendent of central inspection, said inspector or inspectors shall enforce the provisions of this title, keep records, make reports and perform any other duties as are from time to time imposed by the city manager or the superintendent. All elevator inspectors shall have had a minimum of three years of practical electrical experience as a journeyman and/or master electrician or an electrical elevator mechanic.

Any officer or employee of the city, charged with the enforcement of this title, shall not, in the discharge of his duties, thereby render himself liable personally. Any suit brought against any officer or employee of the city because of such act performed by him in the enforcement of any provision of this title shall be defended by the legal department of the city until the final determination of the proceedings herein. (Ord. No. 46-824)

#### **Section 19.22.050 Elevator inspectors—Authority to issue written notices.**

The elevator inspector shall issue a written notice for any failure to correct a violation of this code. Should any person, firm or corporation served by such notice fail or refuse to comply with the orders contained in the notice within the time specified therein, the elevator inspector shall have the authority to remove from service any elevator, escalator or related equipment and/or such person, firm or corporation shall be subject to the penalties provided for in Section 19.04.140. (Ord. No. 46-824)

#### **Section 19.22.060 Elevator inspectors—Right of entry.**

In order to carry out the provisions of this title, the elevator inspectors shall have the authority during reasonable hours to enter any building or upon any premises in the discharge of their duties for the purpose of making inspections

and tests of an installation of elevators, handicapped accessibility lifts, dumbwaiters, escalators, moving walks and related hoistways. (Ord. No. 46-824)

**Section 19.22.070 Elevator inspectors—Authority to remove from service.**

The elevator inspector shall have the authority to remove from service or cause to be removed from service, any elevator or escalator when necessary for the protection of life or property, and shall order the equipment out of service until the same is made safe and conforms to the standards set forth in this title and verified by the inspector. (Ord. No. 46-824)

**Section 19.22.080 Liability of persons owning or installing elevators or escalators.**

This title shall not be construed to relieve from liability or to lessen the responsibility of any person owning, controlling or installing any elevators, handicapped accessibility lifts, dumbwaiters, escalators and moving walks. The city of Wichita shall not be held as assuming any liability of any nature by reason of the inspection authorized in this title or certificate issued, and no officer or employee charged with the enforcement of this title shall be held personally liable for any damage that may accrue to persons or property as a result of any act required or committed in the discharge of his duties. (Ord. No. 46-824)

**Section 19.22.085 Penalties for violations.**

Any person violating any of the provisions of this title shall be deemed guilty of a misdemeanor and upon conviction thereof shall be fined not more than five hundred dollars, or be imprisoned in the city jail not more than six months, or by both such fine and imprisonment. Each and every day during which any violation of any provision of this title is committed, continued or permitted shall be deemed a separate violation.

**Section 19.22.090 Elevator or handicapped accessibility lifts license—Required.**

It is unlawful for any person to engage in the business of the installation or repair of elevators, handicapped accessibility lifts, dumbwaiters, escalators or moving walks in or on any building or premises within the city without having secured an elevator license from the superintendent of central inspection. (Ord. No. 46-824)

**Section 19.22.095 Master and journeyman electrical elevator certificates—Required.**

It is unlawful for any person to engage in the business of elevator or handicap handicapped accessibility lifts contracting without first having secured a master electrical elevator certificate as provided for in this title. The master shall be responsible for all work encompassed in the inspection requested by and/or on the permit issued to his company.

It is further unlawful for any person to engage in the trade or otherwise perform the act of installing or repairing elevator, handicapped accessibility lifts, dumbwaiters, escalators or moving walks within or on any building or premises within the city without first having secured a master or journeyman electrical elevator's certificate as herein provided for and be in the employ of a licensed elevator or handicap handicapped accessibility lifts contractor. The following exception shall be allowed:

Apprentices shall be permitted to work when accompanied by, and under the supervision of a master or journeyman electrical elevator mechanic.

**Section 19.22.100 Elevators' certificates—Application—Examination--Renewal.**

Applications for examination for a master electrical elevators certificate shall be made to the office of central inspection. Applicants for the electrical elevators examination shall provide written documented proof of at least two years practical experience in the elevator construction industry. Documentation shall be one of the following: (1) written letter on company letterhead from employer(s) stating job description and dates of employment; (2) copy of a transcript or attendance record from an accredited elevator trade school; (3) a written letter on a city letterhead from the building official or elevator inspection division of a city where the applicant is licensed as an elevator contractor, or is certified by that city as an electrical elevator master and stating the length of time of the certification or license.

The fee for an examination and original certificate for an electrical elevator master shall be established by the superintendent of central inspection to cover the administrative costs of issuing such certificates. This fee shall be paid to the office of central inspection when the application for an examination is made. Such certificate shall expire on the thirty-first of December of each odd-number year.

The biennial fee for renewal of this certificate shall be established by the superintendent of central inspection to cover the administrative costs of issuing such certificates. Any holder of a certificate who fails to renew the same by March 1<sup>st</sup> from the date of expiration shall be required to take a new examination before receiving a new certificate.

A 90 day temporary journeyman electrical elevator certificate may be issued to an applicant providing documented proof of at least four years practical experience in the elevator construction industry. Documentation shall be one of the

following: (1) written letter on company letterhead from employer(s) stating job description and dates of employment; (2) a written letter on a city letterhead from the building official or elevator inspection division of a city where the applicant is licensed as an elevator contractor, or is certified by that city as an electrical elevator master and stating the length of time of the certification or license. The fee for this certificate shall be established by the superintendent of central inspection to cover the administrative costs of issuing such certificates. Such certificates shall be limited to one in twenty-four months to each applicant. (Ord. No. 46-824)

**Section 19.22.110 License—Issuance of elevator.**

Any person, firm or corporation shall be issued an elevator license, provided such person or one active officer of the firm or corporation who devotes full time to that firm or corporation shall have submitted evidence and has qualified as to experience and ability in matters pertaining to the installation and maintenance of elevators. Such experience and ability must be confirmed by successful passage of an examination as required in Section 19.22.100. The fee for such license shall be one hundred dollars per year. The license shall expire on the thirty-first of December of the year in which so issued. Licensees who have not renewed their license by January 31<sup>st</sup> of the year in which they are due shall pay a penalty of ten percent for each month they are delinquent in obtaining such renewal. (Ord. No. 46-824)

**Section 19.22.120 Elevator license—Restrictions.**

Elevator licenses shall permit the holders thereof to install only electrical work on the elevator side of the feed wire connection to the controller, including the control board, elevator motors, signals and lights, and to do all other wiring required for the control and operation of the elevators. All electrical work performed under licenses issued in conformance with this section must be in conformance with the provisions of this title. (Ord. No. 46-824)

**Section 19.22.130 Electrical elevator certificates—Elevator contractor's license—Revocation.**

Electrical elevator certificates and elevator contractor's license requirements and revocation procedures shall be the same as provided for under Section 19.08.050. (Ord. No. 46-824)

**Section 19.22.140 License—Issuance of handicapped accessibility lifts contractor.**

Any person, firm or corporation shall be issued an handicapped accessibility lifts license, provided such person or one active member or officer of the firm or corporation who devotes full time to that firm or corporation shall have submitted evidence of qualifications and experience and has been examined as required in Section 19.22.100 in handicapped accessibility lifts. The fee for such license shall be one hundred dollars per year. The license shall expire on the thirty-first of December of the year in which so issued. Licensees who have not renewed their license by January 31<sup>st</sup> of the year in which they are due shall pay a penalty of ten percent for each month they are delinquent in obtaining such renewal. (Ord. No. 46-824)

**Section 19.22.150 Handicapped accessibility lifts license—Restrictions.**

Handicapped accessibility lifts licenses shall permit the holders thereof to install only electrical work on the load side of the disconnect or controller of the handicapped accessibility lift, including motors, signals and lights and to do all other wiring required for the control and operation of the handicapped accessibility lift. All electrical work performed under licenses issued in conformance with this section must be in conformance with this title. (Ord. No. 46-824)

**Section 19.22.160 Handicapped accessibility lifts contractor's license—Revocation.**

Handicapped accessibility lifts contractor's license requirements and revocation procedures shall be the same as provided for under Section 19.08.050. (Ord. No. 46-824)

**Section 19.22.170 License—Misuse.**

No license holder shall permit the use of his name by any other person or entity, either directly or indirectly, for the purpose of obtaining a permit or for the purpose of doing any elevator, handicapped accessibility lift, dumbwaiter, escalator or moving walk work under his license.

**Section 19.22.180 Owners requesting elevator removed from service.**

Owners requesting an elevator removed from service shall have the elevator contractor perform the following:

(A) Hydraulic Elevator: Open the manual lowering valve and land the elevator car on the springs. Remove the hydraulic fluid.

(B) Traction Elevator: Lower the elevator car and land on the springs. Remove the hoist cables. (Ord. No. 46-824)

**Section 19.22.190 Alterations and repairs.**

The following alterations and/or repairs require permits from the Office of Central Inspection:



- (1) increase in rated load or speed;
- (2) increase or decrease in dead weight of car;
- (3) increase or decrease in travel;
- (4) change in type of operation or control;
- (5) replacement, change in size, length or number of suspension ropes, belts or chains;
- (6) replacement, change in size or length of safety or governor ropes;
- (7) replacement, change in size or type of guide rails;
- (8) replacement, change in type or addition of a car or counterweight safety;
- (9) change in power supply;
- (10) replacement of an existing machine by a new driving machine;
- (11) replacement of an existing governor by a new governor;
- (12) replacement of an existing controller by a new controller;
- (13) replacement of an existing driving machine brake by a new brake;
- (14) replacement of tanks or anticreep leveling device;
- (15) replacement of pump, motor or valves;
- (16) replacement of hoistway doors;
- (17) replacement of hoistway door re-opening devices;
- (18) addition of hoistway-door locking devices or car-door or gate electric contacts;
- (19) addition of hoistway access switches;
- (20) addition of top-of-car operating devices;
- (21) addition of top-of-car, hoistway-door and/or car-door or gate operating devices;
- (22) addition of rope equalizers;
- (23) addition of auxiliary rope-fastening devices;
- (24) addition of car-leveling or truck-zoning devices;
- (25) addition of roller guide shoes;
- (26) addition of automatic transfer device;
- (27) addition of fire service;
- (28) addition of ADA compliant devices;
- (29) replacement of hydraulic cylinder or plunger;
- (30) replacement, addition or removal of canopy, wall or floor covering;
- (31) replacement of car operation panel;
- (32) prior to placing an elevator back in service after it has been red tagged; (Ord. No. 46-824)

#### **Section 19.22.195 Elevator inspected prior to use.**

All new and red tagged elevators shall be inspected and approved prior to use by the public. The elevator contractor shall notify the elevator inspector two business days before the elevator is ready for inspection.

When the elevator inspector observes or it is called to his attention that any elevator work is installed contrary to or in violation of any provisions of this code, it shall be his duty to immediately notify the person responsible for the installation that the violation or violations exist. All defective or substandard installations shall be corrected within forty-eight hours from time of notification by the elevator inspector.

#### **Section 19.22.200 Permit required – Fees listed.**

It is unlawful for any person to do or cause to be done the installation, alteration or repair of elevators, handicapped accessibility lifts, dumbwaiters, escalators or moving walks in or on any building or premises within the city without first having obtained a permit from the office of central inspection. Applications for permits shall be made on forms furnished by the office, duly executed and signed by a person properly authorized to obtain permits for the applicant, which application may be presented in person or by mail, accompanied by the fee as listed below:

##### **New Installations:**

Passenger or Freight Elevator, Escalator, or Moving Walk

Up to and including \$40,000 valuation      \$125

Over \$40,000 valuation      \$125 plus \$2 for each \$1,000 or Fraction thereof over \$40,000

Dumbwaiter, Private Residence Elevator, and Handicap Lifting Equipment

Up to and including \$10,000 valuation      \$50

Over \$10,000 valuation      \$50 plus \$1.50 for each \$1,000 for Fraction thereof over \$10,000

##### **Alterations & Repairs:**

Total Valuation      Fee

\$1.00 to \$500.00      \$25.00

\$501.00 to \$2,000.00      \$25.00 for the first \$500.00 plus \$2.00 for each

	additional \$100.00, or fraction thereof, to and including \$2,000.00
\$2,001.00 to \$25,000.00	\$55.00 for the first \$2,000.00 plus \$9.00 for each additional \$1,000.00, or fraction thereof, to and including \$25,000.00
\$25,001.00 to \$50,000.00	\$262.00 for the first \$25,000.00 plus \$6.50 for each additional \$1,000.00, or fraction thereof, to and including \$50,000.00
\$50,000.00 to \$100,000.00	\$424.50 for the first \$50,000.00 plus \$4.50 for each additional \$1,000.00, or fraction thereof, to and including \$100,000.00
\$100,001.00 to \$500,000.00	\$649.50 for the first \$100,000.00 plus \$3.50 for each additional \$1,000.00, or fraction thereof, to and including \$500,000.00
\$500,001.00 to \$1,000,000.00	\$2,049.50 for the first \$500,000.00 plus \$3.00 for each additional \$1,000.00, or fraction thereof, to and including \$1,000,000.00
\$1,000,001.00 and up	\$3,549.50 for the first \$1,000,000.00 plus \$2.00 for each additional \$1,000.00 or fraction thereof

#### Annual Inspection Fees:

Fees for annual inspections as required by Section 19.22.020 of the Electrical Code of the City of Wichita, Kansas.

#### Routine:

Each Elevator, Escalator and Moving Walk	\$50.00
Each Commercial Dumbwaiter	\$25.00
Each Commercial Handicap Lifting Equipment	\$25.00

#### Safety Load Test:

Annual (per Elevator or Escalator)	\$50.00
Five Year (per Traction Elevator)	\$200.00 includes the annual fee for that year.

Any person who installs any elevators, handicapped accessibility lifts, dumbwaiters, escalators or moving walks for which a permit and inspection are required and who fails to obtain a permit prior to starting shall pay a special permit fee of double the amount of the permit issuance as listed above.

Where extra inspections are made because of detected code deficiencies requiring correction or unable to obtain access to perform the inspection, a fee established by the Superintendent of Central Inspection to cover the administrative costs may be charged for each such inspection. (Ord. No. 46-824)

#### **Section 19.22.210 Test tags.**

Elevators and escalators shall have a metal tag with the test date and the name of the person or firm performing the test installed in the machine room for all one year and five year periodic tests.

Handicap accessibility lifts, inclined stairway chairlifts and inclined and vertical platform lifts shall have a metal tag with the test date and the name of the person or firm performing the test attached to the governor, machine or equipment in a permanent manner for all one year and five year periodic tests. (Ord. No. 46-824)

#### **Section 19.22.220 Replacement of controller.**

Replacement of the controller shall require modernization of the elevator. (Ord. No. 46-824)

#### **Section 19.22.230 Sprinkler heads in elevator equipment rooms or hoistways.**

Fire sprinkler heads shall not be installed in passenger and freight elevator equipment/controller rooms or hoistways. Smoke detector(s) shall be installed in the equipment/controller room and wired to the building alarm system on a designated, individual, identified circuit. Areas within these rooms remote from the controller equipment may be required to have sprinkler coverage if the spray will not reach or can be prevented from reaching the controller equipment. (Ord. No. 46-824)

#### **Section 19.22.240 Smoke detectors in hoistways.**

Smoke detectors shall not be installed in elevator hoistways unless they are installed to activate the elevator hoistway relief equipment. (Ord. No. 46-824)

#### **Section 19.22.250 Sump Pump Discharge**

Sump pumps in the pit of an elevator or escalator shall discharge to the outside of the building or into a clear or opaque plastic 55 gallon storage container that is located in the machine room or adjacent room. This storage unit shall have a label that reads "Hydraulic Fluid or Grease with Water" with a minimum of 2 inch letters. (Ord. No. 46-824)

**Section 19.22.260 Inspection compliance certificates.**

The elevator inspector, as provided for in section 19.22.040, shall perform acceptance and periodic inspections and tests as required by this title and when found in compliance with this chapter will, after all fees are paid in accordance with Section 19.22.200, issue a compliance certificate. This certificate shall be permanently displayed in the elevator car for which the certificate was issued. The certificate shall be framed and installed not less than five feet nor more than five feet six inches from the platform of the car to the bottom of the frame or a location approved by the elevator inspector. Escalators and handicap accessibility lifts shall have the compliance certificate permanently displayed in a frame adjacent to the equipment and at a location approved by the elevator inspector. (Ord. No. 46-824)

**Section 19.22.270 Emergency communications.**

A telephone that meets the Americans with Disabilities Act (ADA) standards must be installed in each elevator car. An identification tag shall be installed at the main telephone terminal in the building identifying the telephone line that is assigned to the elevator. It is unlawful for any person to have an automatic dialing device installed in an elevator dial directly into the emergency communications center whether by dialing 911 or otherwise.(Ord. No. 46-824)

**Section 19.22.280 Emergency operation and signaling devices.**

All new elevators shall comply and conform with the emergency operation and signaling devices requirements set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. (Ord. No. 46-824)

**Section 19.22.290 Insurance, Truth in Advertising and Vehicle Identification.**

Compliance with the provisions of Chapter 19 relating to insurance, truth in advertising and vehicle identification shall be required as set forth in Sections 19.08.171, 19.08.172 and 19.08.180 and other amendments.

## **Chapter 19.24**

### **ELEVATORS IN COMMERCIAL BUILDINGS FOR PERSONS WITH DISABILITY**

#### **Sections:**

- 19.24.010 Scope.**
- 19.24.020 Installation standards.**
- 19.24.025 Equipment in hoistways and machine rooms.**
- 19.24.030 Construction of hoistways.**
- 19.24.035 Machine Rooms and Machinery Spaces.**
- 19.24.040 Buffers.**
- 19.24.050 Pits.**
- 19.24.060 Car enclosures.**
- 19.24.070 Key-operated switches.**
- 19.24.080 Authorized personnel.**
- 19.24.090 Emergency communications.**
- 19.24.100 Signage posted.**
- 19.24.110 Required inspections.**
- 19.24.120 Permits and fees.**

#### **Section 19.24.010 Scope.**

This chapter applies to private residence type elevators installed in commercial buildings and used only by persons with a disability and so installed that they are not accessible to the general public or to occupants of the building. (Ord. No. 42-578 § 1)

#### **Section 19.24.020 Installation standards.**

All installations of private residence elevators in commercial structures for use by persons with a disability, that are made within the city, shall be in strict conformity with the provisions of this title and with the approved standards of construction for safety to life and property. If sections contained within this title, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the applicable standards as set forth for elevators and contained in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers shall apply to the design, construction, installation, operation, alteration and repair of this type of elevator.

All installations of wheelchair lifts and stairclimb lifts in commercial buildings within the city, shall be in strict conformity with the provisions of this title and with approved standards of construction for safety to life and property. If sections contained within this title, do not prescribe a specific type or class of material or specific standards of construction, then the applicable standards as set forth in the currently adopted edition of the ANSI/ASME A18.1 Safety Standard for Platform Lifts and Stairway Chairlifts with all addendums thereto, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of this type of lift. (Ord. 43-380 § 9)

#### **Section 19.24.025 Equipment in hoistways and machine rooms.**

All equipment installed in hoistways and machine rooms shall conform to Section 2.8 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. (Ord. No. 46-824)

#### **Section 19.24.030 Construction of hoistways.**

- (A) Hoistways shall be enclosed throughout their height with fire-resistive enclosures as required by the city building code.
- (B) All elevator hoistway-landing openings shall be provided with entrances which shall guard the full height and width of the openings.
- (C) Hoistways of elevators shall be provided with means to prevent the accumulation of smoke and hot gases in case of fire as required by the city building code. (Ord. No. 42-578 § 3)

**Section 19.24.035 Machine Rooms and Machinery Spaces.**

Machine rooms and machinery spaces shall conform to Section 2.7 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. (Ord. No. 46-824)

**Section 19.24.040 Buffers.**

Buffers shall be installed under cars and counterweights. The buffers shall conform to the applicable section and standards as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. (Ord. 43-380 § 10, amended by Ord. No. 46-824)

**Section 19.24.050 Pits.**

- (A) A pit shall be provided for every elevator. The depth of the pit shall be not less than is required for the installation of the buffers. The pit shall be kept clean and free from dirt and rubbish. The pit shall not be used for storage purposes and shall be maintained free of an accumulation of water.
- (B) Drains connected directly to sewers shall not be installed in elevator pits. Sumps may be installed.
- (C) Sumps in pits, where provided, shall be covered. The cover shall be level with the pit floor. (Ord. No. 42-578 § 5)

**Section 19.24.060 Car enclosures.**

- (A) Illumination of cars and lighting fixtures shall be installed and conform with Section 2.14.7 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.
- (B) The minimum car enclosure measurements shall be forty-eight inches deep and thirty-six inches wide with a front opening door or a front and rear opening door.
- (C) A handrail shall be provided on one wall of the car, preferably on the side of the car. The rail size shall be one and one-fourth to one and one-half inches clear of the wall at a nominal height of thirty-two inches from the elevator floor. Handrails shall not rotate within their fittings.
- (D) Emergency Stop Switch shall be installed and have an audible signal installed conforming with Section 2.27.1.2 and Section 2.27.1.1.5 as set forth in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. (Ord. 43-380 § 11, amended by Ord. No. 46-824)

**Section 19.24.070 Key-operated switches.**

- (A) There shall be a key-operated switch at each landing to call the car, chair or platform to that landing. This same key shall be used to activate all the up and down controls for the equipment.
- (B) The key-operated control switches shall be operated by a cylinder type lock having not less than a five-pin or five-disk combination with the key removable only when the switch is in the off position. (Ord. No. 42-578 § 7)

**Section 19.24.080 Authorized personnel.**

- (A) Only authorized personnel, designated by the owner or tenant of the building, shall have access to the keys. The keys shall be kept on the premises in a readily accessible location available to the authorized personnel, but not where they are available to the general public.
- (B) The authorized personnel having access to the key shall be summoned by means of a clearly labeled attendant call device located at each landing. (Ord. No. 42-578 § 8)

**Section 19.24.090 Emergency communications.**

A telephone that meets the Americans with Disabilities Act (ADA) standards must be installed in each elevator car. An identification tag shall be installed at the main telephone terminal in the building identifying the telephone line that is assigned to the elevator. It is unlawful for any person to have an automatic dialing device installed in an elevator dial directly into the emergency communications center whether by dialing 911 or otherwise. (Ord. No. 42-578 § 9, amended by Ord. No. 46-824)

**Section 19.24.100 Signage posted.**

A distinct visible sign stating "This Elevator For Use By The Disabled Only" must be installed adjacent to the entrance to the elevator car on each landing. The letters shall not be less than one-fourth inch. (Ord. No. 42-578 § 10)

**Section 19.24.110 Required inspections.**

All elevators shall be subject to the applicable acceptance, routine, and periodic inspections and tests as specified in the currently adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. The routine inspections and tests shall be made at intervals not longer than one year. The periodic inspections and periodic tests of

category 1 shall be made at intervals not longer than one year. The periodic tests of category 3 and 5 shall be made at intervals not longer than five years. (Ord. 43-380 § 12, amended by Ord. No. 46-824)

**Section 19.24.120 Permits and fees.**

A permit shall be obtained to install or alter a private residence type elevator in a commercial building in the city and the permit fee computed as detailed in Section 19.22.200 of the Code of the City of Wichita, Kansas. (Ord. No. 46-824)

## Chapter 19.28

### FREIGHT TYPE ELEVATORS IN COMMERCIAL BUILDINGS

#### Sections:

- 19.28.010 Scope.**
- 19.28.020 Installation standards.**
- 19.28.030 Driving machines.**
- 19.28.040 Minimum rated load.**
- 19.28.050 Types of entrances.**
- 19.28.060 Openings prohibited.**
- 19.28.070 Requirements for passenger overload.**
- 19.28.080 Car enclosures.**
- 19.28.090 Emergency communications.**
- 19.28.100 Required inspections.**
- 19.28.110 Emergency operation and signaling devices.**
- 19.28.120 Permits and fees.**

#### **Section 19.28.010 Scope.**

This chapter applies to existing freight type elevators in commercial buildings and allows this type of elevator to be altered and converted to permit the carrying of passengers. (Ord. No. 43-702 § 5)

#### **Section 19.28.020 Installation standards.**

All alterations and conversions of existing freight type elevators to permit carrying of passengers within the city of Wichita, Kansas, shall be in strict conformity with the provisions of this title and with the approved standards of construction for safety to life and property. If sections contained within this title, in a given situation, do not prescribe a specific type or class of material or specific standards of construction, then the standards as set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, published by the American Society of Mechanical Engineers, shall apply to the design, construction, installation, operation, alteration and repair of this type of elevator. (Ord. No. 43-702 § 6)

#### **Section 19.28.030 Driving machines.**

All driving machines shall be of the traction type or of the hydraulic type. (Ord. No. 43-702 § 7)

#### **Section 19.28.040 Minimum rated load.**

The rated load in pounds for passenger elevators shall be based on the inside net platform area, and shall be not less than shown in Table 2.16.1.1 of the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. (Ord. No. 43-702 § 8, amended by Ord. No. 46-824)

#### **Section 19.28.050 Types of entrances.**

For passenger elevators and freight elevators authorized to carry passengers, entrances shall be one of the following types at landing openings used by passengers or for freight:

- (a) Horizontal slide;
- (b) Swing, single-section;
- (c) Combination horizontal slide and swing;
- (d) Power-operated, vertical slide biparting counterbalanced, or vertical slide counter weighted which slide down to open, where located at entrances used by passengers. (Ord. No. 43-702 § 9)

#### **Section 19.28.060 Openings prohibited.**

Openings or hinged or removable panels in an enclosure are prohibited, other than as required for the following:

- (1) Signal, operating, and communication equipment;
- (2) Entrances;
- (3) Vision panels;
- (4) Emergency exits;
- (5) Ventilation; and

- (6) Access panels for maintenance of equipment when approved by the authority having jurisdiction. Such panels, where provided, shall conform to the applicable rules as set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators, except that they are not required to be openable from the outside. (Ord. No. 43-702 § 10)

**Section 19.28.070 Requirements for passenger overload.**

Passenger elevators and freight elevators converted to permit the carrying of passengers shall be designed and installed to safely lower, stop, and hold the car with an additional load of twenty-five percent in excess of the elevators' rated load. (Ord. No. 43-702 § 11)

**Section 19.28.080 Car enclosures.**

- (A) Illumination of cars and lighting fixtures shall be installed and conform to the applicable rules as set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators.
- (B) A handrail shall be provided on one wall of the car, preferably on the side of the car. The rail size shall be one and one-fourth to one and one-half inches and shall be smooth. The inside surface shall be at least one and one-half inches clear of the wall at a nominal height of thirty-two inches from the elevator floor. Handrails shall not rotate within their fittings. (Ord. No. 43-702 § 12)
- (C)

**Section 19.28.090 Emergency communications.**

A telephone that meets the Americans with Disabilities Act (ADA) standards must be installed in each elevator car. An identification tag shall be installed at the main telephone terminal in the building identifying the telephone line that is assigned to the elevator. It is unlawful for any person to have an automatic dialing device installed in an elevator dial directly into the emergency communications center whether by dialing 911 or otherwise. (Ord. No. 43-702 § 13, amended by Ord. No. 46-824)

**Section 19.28.100 Required inspections.**

All elevators shall be subject to the applicable acceptance, routine, and periodic inspections and tests as specified and set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. The routine inspections and tests shall be made at intervals not longer than one year. The periodic inspections and periodic tests of category 1 shall be made at intervals not longer than one year. The periodic tests of category 3 and 5 shall be made at intervals not longer than five years. (Ord. No. 43-702 § 14, amended by Ord. No. 46-824)

**Section 19.28.110 Emergency operation and signaling devices.**

All elevators shall comply and conform with the emergency operation and signaling devices requirements set forth and contained in the latest adopted edition of the ANSI/ASME A17.1 Safety Code for Elevators and Escalators. (Ord. No. 43-702 § 15)

**Section 19.28.120 Permits and fees.**

A permit shall be obtained to alter or convert a freight elevator to permit carrying of passengers in a commercial building in the city and the permit fee computed as detailed in Section 19.22.200 of the Code of the City of Wichita, Kansas. (Ord. No. 46-824)